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C 1061-#1



INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

44		C-O-N-F-I-D	-E-N-T-I-A-L	:	50X1-HUN
NTRY	USSR (Saratov Oblast	5)	REPORT		
ECT	Aviation Plant No. 2	292 in Saratov	DATE DISTR.	24 April 196	1
	,		NO. PAGES	1] .
					50X1-HUI
OF					30X1-HUI
E & ACQ.					50X1-HUM
THIS	S UNEVALUATED INFORMATION	N. SOURCE GRADINGS	ARE DEFINITIVE. APP	RAISAL OF CONTENT IS T	ENTATIVE.
					· 5 1/7 ///
	A twenty-seven page	report on the .	Aviation Plant N		
					This 50X1-HUN
	manage danaddedaa bl				
	report identifies the			leading persona	lities
	at the plant, outlin	es plant secur	ity measures, di	leading persona scusses helicopt	lities
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production rides sketches	ity measures, di , provides detai of a helicopter	leading persona scusses helicopt ls of structural manufactured at	lities er Jylc Mc
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production rides sketches	ity measures, di , provides detai of a helicopter	leading persona scusses helicopt ls of structural manufactured at	lities er LyCMC
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` [at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production rides sketches	ity measures, di , provides detai of a helicopter	leading persona scusses helicopt ls of structural manufactured at	legend. ASA
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	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production rides sketches	ity measures, di , provides detai of a helicopter	leading persona scusses helicopt ls of structural manufactured at	legend. ASA
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di , provides detai of a helicopter (a WAK-type airo Plant 292 layout	leading persona scusses helicopt ls of structural manufactured at	legend. ASA
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di , provides detai of a helicopter	leading persona scusses helicopt ls of structural manufactured at	legend. ASA
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di , provides detai of a helicopter (a WAK-type airo Plant 292 layout	leading persona scusses helicopt ls of structural manufactured at	lities er JyCime legend. ASA FR
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di , provides detai of a helicopter (a WAK-type airo Plant 292 layout	leading persona scusses helicopt ls of structural manufactured at	legend. ASA FR 50X1-HUM
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di , provides detai of a helicopter (a WAK-type airo Plant 292 layout	leading persona scusses helicopt ls of structural manufactured at	legend. ASA FR 50X1-HUM
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di , provides detai of a helicopter (a WAK-type airo Plant 292 layout	leading persona scusses helicopt ls of structural manufactured at	legend. ASA FR 50X1-HUM
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di , provides detai of a helicopter (a WAK-type airo Plant 292 layout	leading persona scusses helicopt ls of structural manufactured at	legend. ASA FR 50X1-HUM
	at the plant, outling production and aircrecomponents, and prov	nes plant secur raft production ides sketches roduct No. 17" No. 17" and a	ity measures, di, provides detai of a helicopter (a WAK-type airo Plant 292 layout	leading persona scusses helicopt ls of structural manufactured at raft) directural with a 42 point	legend. ASA

INFORMATION REPORT INFORMATION REPORT Sanitized Copy Approved for Release 2011/04/26 : CIA-RDP80T00246A058700130001-6

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COUNTRY: USSR (Saratovskaya oblast)	
SUBJECT : AVIATION PLANT No. 292 IN SARATOV	

Identification

ntilestion
Aviation Plant No. 292, aviatsionnyy zavod nomer 292, at the erd of 50X1-HUM
Chapayeva ulitsa, Stalinskiy rayon, Saraztóv RSFSR
Until the start of WW II, it was named Sarato 50X1-HUM
Agricultural Machinery Plant, Saratovskiy zavod kombaynov. During WW
II it was made subordinate to the Ministry of Aviation Industry of the
USSR to which it was still subordinate in September 1956. In 1957,
when the ministries were transformed into National Economic Councils,
sovnarkhoz, the plant was made subordinate to the National Economic
Council of the city of Saratov which was subordinate to the National
Economic Council of Saratovskaya oblast.
See that the control of the control

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_QONFIDENTIAL ATTACHMENT
the telephone number of the
+ha gama agreity telephone
numbers, which consisted of five digits and a letter. Up to 1954 within
the plant any shop could be reached by requesting its number from the
plant switchboard. After 1954, automatic telephones operating without
tokens were installed for inter-plant calls. All plant telephone numbers
consisted of three digits and KKKKKKKKKK there were telephone numbers shop No. 24, plazovyy
which began with two and iive
tsekh nomer 24. had telephone number 204. Plant
employees were not allowed to telephone the city or receive calls from
outside the plant.
Plant Personalities 50X1-HUM
2. The most outstanding technicians and engineers at the plant
were as follows:
a) Aleksev SHIBAYEV Alekseyevich, plant director
engineer
b) Mirosnichenko (fnu), chief plant TAKAN
X o) Milkov (fnu), chief plant technologist
constructor
d) Ivanov (fnu), designer in shop No. 24

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e) Koz	sirev (fnu), a technician in shop No.	. 24	
	kolay Alekseyev, a designer in shop l	No. 24	
f) Ni	kolay Alekseyev, a designor in the land		
g) Du	abinin (fnu), a design engineer in sh	nop No. 24	
	angritsa (fnu), an aviation engineer	· who worked as deput	y chiel ol 50X1-HUM
•	shop Nol		
i)	Yuriy Matveyev, a tempnical designer	in shop No. 24	
j)	Granovich (fnu), chief of a Plant No. 292 shop that m	an engineer who wo	
		_	
× k)	Sorokin (fnu), chief of shop NO CO	VFIDENTIAL	50X1-HUM



	Saniti	tized Copy Approved for Release 2011/04/26 : CIA-RDP80T00246A058700130001-6	MUF
		-5- ATTACHMENT 50X1-	ним
0)	Mor	rozov (fnu), an engineer and chief of the SKB, seriynnyy konstrubrskiy byuro, at Plant No. 292	
(q ×	Go	orokhov (fnu), an engineer and chief of the OTK at Plant No. 292	
		Sgcurity 50X1-H	UM
3•		The plant was surrounded by a wood fence approximately tow to two- and-a-half meters high painted with lime (?) and ingood condition	
		hambod wire. The main plant lacade lacod not the	
		a and to 400 meters along and 300 to 300 meters	
	b) '	front of the building had an unspecified number of person	11. 0 20.0
		m. o entrance used depended on the propush non-	
		blues domes also used by plant employees next to the	: ******
		hrizo porpuskov. All doors were wood	
		motors high and one or one-and-a-mari in	
		on thanks on Chapayeva ulitsa was Iron and approximately	- •
	_	three to four meters wide and two-and-a-half to three meters hi	gu•
		A normal single gauge spur line from the Saratov railroad state	
	c)	entered the plant to the west approximately 150 to 200 meters:	from
		Packed treight cars of four	lant IUM
		the main entrance removed from	the
		throught this state of the railroad	line
		prant dipodgi	
	d)	The okhrana was in charge of promise the	
		stationed at each of the entrances and gave the passes to the	

ex	lusively to test planes
sh	pment/delivery.
Helicopt	r Production See
typ was A c in of XXX The me 12 wi 15 22 tv	1950 to May 1954, MIL-type helicopter, were manufactured. (See 1950 to May 1954, MIL-type helicopter, were manufactured at Plant No. 292) [Indept No. 1, sketch of helicopter manufactured at Plant No. 292) [Indept No. 1, sketch of helicopter manufactured at Plant No. 292) [Indept No. 1, sketch of helicopter manufactured at Plant No. 292) [Indept No. 1, sketch of helicopter manufactured at Plant No. 292) [Indept No. 1, sketch of helicopter manufactured at Plant No. 292) [Indept No. 1, sketch of helicopter on the front part. Each blade and had a four-bladed propeller on the front part. Each blade approximately 80 millimeters wide. [Indept No. 1, sketch of helicopter wide, and supproximately 80 millimeters wide. [Indept No. 1, sketch of helicopter in diameter at the end of she blade approximately 80 millimeters wide. [Indept No. 1, sketch of helicopter in diameter at the end one millimeters wide. [Indept No. 1, sketch of helicopter in diameter at the end one millimeters wide. [Indept No. 1, sketch of helicopter in diameter at the end one millimeters wide. [Indept No. 1, sketch of helicopter in diameter at the end one millimeters wide. [Indept No. 1, sketch of helicopter in diameter at the end one millimeter wide. [Indept No. 1, sketch of helicopter in diameter at the end one millimeter in the end in the helicopter in the same in the end one millimeter in the helicopter in the part of the p
. F	is helicopter was wax used on scientific expeditions at the North le and for the transport of military units and seriously ill brooms in unpopulated areas of northern USSR. In 1953 or 19164, this helicopter in the annual aviation parade in Tushino. The of the helicopters transported a small anti-tank gun with an approximately two-meter long barrel. Various take-off and landing exercises were performed. The endicopter was assembled and complete inished at the plant. Some components, such as, the engine, avigation instruments, radio, electrical equipment, and tires came from other unknown Soviet plants. Completed helicopters were CONFIDENTIAL 50X1-HUM

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-850TROENTA	50X1-HUM
transported by trucks with trailers to the palnt airfield where	they
where tested and then flown to their points of destination	
where tested and then 110wn to those pro-	
Up to May 1954, the plant manufactured only the afore	-men-
tioned helicopters. No type of aircraft were manufactured, alt	though
sauce pans, beds, 35-liter aluminum milk cans, children's xxxx	sleds,
The helicenter engine had about 300 of the	
and tow automabiles The helicopters the manufactured monthly; all wer Approximately 50 helicopters were manufactured monthly; all were	e of the
shoresteristics. The helicopter could transport	
approximately two tons. In May 1954, the manufacture of heli	.copters
was totally suspended and the construction of aircraft begun.	
Was totally Suspendent Aircraft Production	50X1-HUM
1054	the
plant was manufacturing aircraft.	
, way tune combat planes were manufactured.	
The fuselage was approximately 12	50X1-HUM
meterationg and each of the wings about six or seven meter	rs long.
Posing May 1954 to September 1956, no other type of airc	1210 1122
buse ctured although modifications of the IAK were in	of Oakson
(Grant to obment No. 2. sketch of YAK-type aircrait.)	A Cermion
annovimately 25 or 35 millimeters in diameter was insta	alled on
, ride of the fuselage; the aircraft had no other air	namen •
The pircraft was manned by a pilot and an observer (sic	form and
one engine under each wing. The engines were round in	n diametel
approximately one-and-a-half meters long by one meter in	ms. The
Each engine had a thrust of from 1,000 to 1,200 kilogra	t of the
soft (sic) gasoline tank was installed in the lower par	and—a—hal
cockpit. The gasloine tank was rectangular, about two-	of a dark
meters long, one meter high, one meter wide, and made of	nad a fuel
colored rubber of an unspecified thickness. The tank h	to two-ar
capacity of approximately two tons and a volume of two	
a-half cubic meters.	
- CONFIDENTIAL motel tenk	uner each
In addition to this main tank, there was a metal tank	50X1-HUM

wing; this innovation was introduced in late 1954 or early 1955. These tanks were elliptical and slightly flattened on the top and bottom. The tanks were approximately one and two-hundreths meters long and had a diameter of about 800 millimeters. The tanks were made at an unidentified cardboard plant (sic); they were not made in Saratov, Each tank had a fuel capacity of 50X1-HUM approximately 600 or 700 liters. There was a tank between the engine and fuselage and they could be jettisoned when empty. This type of aircraft had a velocity of approximately 1,200 kph and a ceiling of approximately 12,000 to 13,000 meters. The aircraft could fly from five to six hours wintout refueling; the aircraft was equipped with radar The aircraft was not modified to permit equipping it guided missiles or rockets of any kind. The front part of the cabin had unbreakable white glass about 80 or 90 millimeters thick. A sheet of steel about four millimeters thick and 600 millimeters wide was installed behind the pilot's seat and protected his entire back. no protective material was installed on 50X1-HUM either sidd. In 1955, (small/minor) innovations began to **XXXXXXX introduced during the construction process which consisted of increasin; or decreasing the number of rivets, changeing the position of the openings through which the rudder Cables ran, changing the shape of the fuselese in the tail section by adding a duraluminum strip about two meters long, 250 to 300 millimeters wide, and one to one-and-a-half millimeters thick which gave it a shape similar to an inverted pear, and by shortening or lengthing sheets on the fuselage. CONFIDENTI In the middle of 1954, the nose of the XXXXX aircraft began to b manufactured from an unknown kind of plastic; meter was not used. The only difference between this nose and the one formerly manufactured was the material, becasue the 50X1-HUM 50X1-HUM

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	-11- OUAFIDEN HAL SOX1-HUM
	the other or, if both plants continued productino, cope to the
	plans woudl be made to lessen the work.
c)	Plans received contained the following data: 50X1-HUM
	Product number, always corresponding to the same type of aircraft.
	Number of INK a part of the aircraft, chastsamolyota, which could
	worrespond to one of the wings, the fusel gae, the tail, the
	space occupied by the engine, no to any other of the aircraft
	parts.
	Number of a group of parts of one of the parts of the aircraft
	(uzel) (nodule, joint).
	Number of the part, nomer detali.
	The plans contained no other XXX indications except for the scale
	and the illegible signatures of the designer or engineer who had
	checked them.
d)	At the aircraft design/construction faculty of the Moscow Aviation
	Institute i/n Sergo Ordzhonikidze students were taught that in
	aircraft construction the different parts WAXXXXX always bore the
	same number, as follows:
	Right wing 50X1-HUM
	Left wing, mirror reflection of the right wing (zerkalnoye
	otobrazhenie), had the same number as the right wing and because
	it always bore the same number as the right wing there was no
	confusion. 50X1-HUM
	Fron part of fuselage (perednaya chasfyuzelyazha), ran from
	the beginning of the nose to the end of the cockpit.
	Rear part of fuselage (zadnyaya chasfyuzelyazha), ran from the
	end of the compit to the end of the fuselage where the tail bega
	50X1-HUM
	50X1-HUM Cockpit
	Space occupied by the engine or motor housing
	CONFIDENTIAL
	50Y1 HIIM

Horizonatal stabilier, gorizontalnoye operenie, number 32,000. Persons working on this type of plans called it group 32, gruppa 32. Vertzical stabilizer, vertikalnoye operenie, number 33,000 and called group 33 by those working on its plans. 50X1-HUM Right (auxiliary) wing tank, podversnoy bak Left wing tank had the same number as the right wing tank, thus there was no confusion as one was the mirror reflection of the

other. Elevator, rulvysoty, borz the number 34,000 and was KXXKM called group 34 by those working on its plans.

Rudder, rulpovorota, bork the number 35,000 and was known as group 35.

Right wing sileron, number unknown.

Left wing aileron, bore the ame number as the right wing aileron and was a mirror reflection.

Flaps, schitki, number unknown.

The aircraft was not divided into any more parts. The remainder of the accessories belonged to the parts in which they were installed.

The specialists handling the plans referred to parts by their group number.

The horizontal stabilizer consisted of the following parts: e) Forward longeron, bor the number 01.

Rear longeron, bore the number 02.

Ribs, nervyury, were numbered from the center of the horizontal stabilizer towards the outside and bore the following numbers: rib No. 03, 04, 05,06, 07, 08, 09, 010, 011, 012, 013, 014, 015, 016, 017, and 018.

Surface, obshivki, The surface components were numbered from the forward part of the horizontal stabilizer towards the rear and bore the fallowing numbers: surface N_0 . 019, 020, 021, 022, 023, (and 015.

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Forward longeron, peredmiy lonzheron, bore the number of.

Rear longeron, zadniy lonzheron, bore the number 02.

Ribs, nervyury, The ribs of the horizonatl stabilizer were numbered from the center towards the outside and bore the numbers: rib No. 03, 04, 05, 06, 07, 08, 09, 010, 011, 012, 013, 014, and 015.

Surface, obshivki, The surface components were numbered from the forward part of the horizontal stabilizer towards the rear and 50X1-HUM hore the numbers: surface element No. 016, 017, 018, 019, and 020.

f) The vertical stabilizer consisted of the following parts:
Forward longeron, bore the number 01.

Rear longeron, bore the number 02.

Ribs were numbered from the lowest to the highest part of the vertical stabilizer and bore the numbers: 03, 04, 05, 06, 07, 08, 09, 010, 011, 012, 013, 014, 015, 016, 017, and 018.

The surface components were numbered from the forward part of the vertical stabilizer towards the rear and bore the numbers: surface element No. 019, 020, 021, 022, 023, 024, and 025. 50X1-HUM

g) The forward longeron of the horizontal stabilizer consisted of the following parts:

Wall, stenka, which bore the number 2.

Upper surface, verkhnyaya polka, which bore the number 2.

Lower surface, nizhnyaya polka, which bore the number 3.

Strut, stoyki, which bore the number 4.

The forward longeron of the horizontal stabilizer had the same number of struts as ribs.

h) The rear longeron of the horizontal stabilizer consisted of the following parts:

Wall, which bore the number 1.

Uper surface, which boke the number 2.

Lower surface, which bore the number 3.

Strut, which bore the number 4.

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m	the reas longeron of the horizontal stabilizer had no more parts. 50X1-HUN
7	roups of parts which composed the horizontal stabilizer or
ď	elevator were ams follows:
_	which have number 01.
	Ribs Nos. 02, 03, 04, 05, 06, 07, 08, 09, 010, and 011.
	Gurago elements Nos. 012, 013, and 014.
,	Longeron No. 01 was compased of the following parts:
•	Wall, which bore the number 1.
	Lower surface which bore the number 2.
	the number 4.
	to some of the horizontal stabilizer had the same named
	struts as the stabilizer had ribs.
	struts as one seed
)	Parts of the forward longeron of the rudder or vertical stabilize
	The rudder was composed of the following groups of parts: Forward longeron, bore the number 01 and was composed of the following parts (elements): Wall which bore the number 1. Upper surface which bore the number 2. Lower surface which bore the number 3. Strut whichbore the number 4. The forward longeron of the rudder had the same number of struts as the rudder had ribs.
	\rangle
	(
	The mear longeron No. 2 had no other part. The mear longeron No. 2 had no other parts.
	The mear longeron No. 2 had no other part. The vertical stabilizer had the following additional parts: Part hanging the rudder of the horizontal stabilizer.

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Rudder control sticks, rychagi	upravreniya.
there	were two or three.
There were two surface elements	, <u>zalizi</u> , used to give aerodynami
shape to $+$ he union of the verti	cal stabilizer rudder with the
fuselage.	50X1-HUM
The aircraft consisted of the f	, 3
Surface, the largest surface el	lements were installed on the
fuselage and measured from appr	roximately two to three meters an
the smallest installed as cover	rs on the wing and tail were from
.30 to .50 meters long.	the wid 50X1-H
of any surface element	varied according to where
they were installed. The thick	kness of these elements was from
0.8 millimeters to $two\cdot$ and one	-half millimeters. In general,
all were XXXXX made of duralum	inum, although a few were made of
magnesium alloy, magnievyy spl	avla, which was used in parts who
shape made it difficult to man	ufacture. The same kind of
material was always used.	
Ribs, ribs were installed in t	he vertical stabilizer, horizonta
stabilizer, and wings of the a	ircraft. The sizes valided depend
on where they were installed.	The ribs were approximately 0.8
millimeters to one-and-a-half	millimeters thick. M_{O} st of the
indus were perferated, except f	50Y1_HIIM
perferations were made to redu	ce wildent and to reinforce the
weakest parts. All ribs were	made of duraluminum and
other material was	used in their manufacture. 50X1-H
Longerons were installed in t	he wings, fuselgae, horizontal 🖿
stabilizer, and vertical stab	ilizer and ran the length of all
these parts. There were diff	erent sizes, the longest was
about eight meters and the sh	nortest about two meters. All were 50X1-HU
madre of duraluminum in unide	entified plants. They were about
	CONFIDENTIAL

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five or six millimeters thick.

Joints, uzly naveski, for the different parts of the aircraft were installed at the junction of the wings with the fuselage, at the junction of the vertical stabilizer and the fuselage, at the junction of the horizontal stabilizer and the vertical stabilizer. The dimensions of the parts/joints varied depending on where they were installed. The material used was chrome nickel steel, khromo nikelevaya stal,

32-kh.n 3 a, 32 chrome nickel 3 aviation, 32 khromo nikel 3 aviatsionnaya,

were always manufactured with the same materials. The parts

were always mammactured with the same materials. The parts were forged and then machine finished. The laprts were manufactured at the plant.

Fuselage rings/frames, shpangouty, about 20 or 30 were installed in the fuselage. The rings were composed of one, two, or three parts accoding to where they were installed. Their diameter depended on thier location. The laggest had a diameter of 1.55 meters and the smalles a diameter of .30 meters. The flanges used to join them to the fuselage surface/cover were from approximately 20 to 30 millimeters wide. These rings were made of duraluminum one to two millimeters thick.

No other material was used in their manufacture. They were manufactured at the plant. Some of these rings were used as reinforcements where the cheeks were installed, where the fuel tank was hung, where the wings were hung, where the tail was hung, in the cockpit, and at the joints of the different parts of the fuselage.

The horizental elements (stringers), stringera, of the aircraft skeleton were installed in the fuselage, wings, and tail and were of different sizes. The largest were 25 millimeters wide, 25 millimeters high, and two millimetrs thick. All were made of duraluminum in other unidentified plants of the USSR.

Wheels, stoyki shassi. Neither the tube or the tire were made

	5074 1111
	at the plant. 50X1-HU
	There were no other important parts.
	The aircraft had two bulk heads or dividing partitions. The first
	was installed at the beginning of the metal part when the nose of
	the aircraft was finished. The second was installed from one to
	one-and-a-half meters behind the cockpit and divided the front
	part of the fuselage from the rear part. The bulk heads were
	made of duraluminum. 50X1-HUM
n)	In addition to manufacturing aircraft the plant manufactured
	sauce pans, 35-liter cans of liquids especially milk, chairs,
	camping beds, childrens sleds, toy cars, and wash basins. If
	the construction plan for aircraft was filled and the remainder
	of the plan was not, the stipulated prize was not awarded. The
	more the plan was exceeded, the more the workers were paid. In
	late 1955, preparations were beingmade to manufacture harvester
	machines for harvesting green corn and keeping it green all
	winter (sic).
1)	Since before April 1953 until May 1954, approximately 45
	helicopters were manufactured monthly. From May 1954 until
	September 1956, approximately 30 aircraft were manufactured
	monthly. During all this time, sauce pans, childrens sleds, and
	cans were manufactured.
)	From April 1953 until September 1956, XXX the plant worked only
	one shift. Work began at 0800 and ended at 1700 hours with one
	hour to eat. Some unspecified shops worked two shifts.
p)	The plant employed a total a of from 6,000 to 8,000 workers and
	technicans.

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Legend

Following is the legend to attachment No. 4, plant layout. numbers are keyed to those on the sketch.

- Block of dwellings N_0 . 1, perviy zhilischnyy uchastok, consisted of several four and five-story brick buildings inhabited principally by A few 50X1-HUM plant workers. perso an not employed at the plant lived there. On an unspecified the Soviet government 50X1-HUM occasion authorized residence in patht dwellings for non-plant wmployees. this was due to the hosing shortage. The order was 50X1-HUM still in effect in June 1960.
- Plant stadium.
- Temp cinema on Chapayeva ulitsa, Stalinskiy rayon. 3∙
- Universalnyy magazin, a two-story brick structure on Chapayeva ulitsa, number unknown, selling food products.
- Beginning of streetcar line No. 15 which ran to the petroleum 5. refinery, kreling zavod.
- Terminus of streetcar line No. 1 which ran from the city.
- 7. Plant dining rooms and kitchens in a two-story brick building the

following distribution:

The was completely occupied by a kitchen and dining room for about 200 or First floor 300 persons.

The second floor was completely occupied by a dining room and kitchie for about 200 or 300 persons.

Anyone, including non-plant workers, could patronize these dining rooms. It was not necessary to present any document. Breakfast was served from 0730 hours to 1000 hours. The first meal was served from 1130 hours to 1430 hours and the second and last meal was served from CONFIDENTIAL

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1630 hours to 2100 hours approximately.

- 8. Faint club, a two-story brick building.
 - The first floor contained a waiting room, snack bar, gymnasium for winter sports, such as, volleyball and boxing, cloakroom, and a lecture/assembly/conference hall with movie screen and a stage. The assembly hall contained orchestra seats and theater boxes and had a capacity of about 600 or 700 persons. The first floor contained nothing else.

The second floor contained only assembly hall theater boxes and a billiard room/hall.

- Apartment building with an unspecified number of floors under construction in September 1956.
- 10. Single track standard Soviet gauge plant railroad which joined the city railroad line.
- 11. Small park.
- 12. Pass office, <u>byuro propuskov</u>, in a one-story one room building employing two persons.
- 13. Plant personnel entrance.
- 14. Plant vehicular entrance. All plant entrances were guarded by plant police.
- 15. Plant directorate, zavod upravleniye, a two-story brick building with the following distribution:

 The first floor contained the main accounting section, bugalteriya.

The second floor contained the office of the plant director who was assisted by a secretarial staff.

Chief engineer, glavnyy inzhener, assisted by a secretarial staff.
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All plant engineers and technicians

were subordinate to the chief engineer. In case of absence, the director was in charge.

Chief , glavnyy tekhnolog, in charge of all technical matters

There was nothing else on the second floar.

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		•	-	The second of th	50X1-HUN
16.	Plant entrance		There we	ere eight or te	n doors/qates.
	•				
17.	Apprentice school	, a tow or thre	e-story br	ick structure w	
	subordinate to th	e directorate o	of labor re	serves, <u>upravle</u>	50X1-HUM
	trudovikh rezervo	<u>v</u> ,			
		Plan	t apprenti	ces studied at	the school.
	He could offer no	further inform	ation.		50X1-HUM
18.	Plant shop, numbe	r unknown, in a	structure	approximately	50 meters
	long and 20 or 25	meters wide.		there was only	one shift.
		Rubber prof	iles/section	ons and small r	rubber parts
	were manufactured	there; all ele	ements were	made of rubber	7.
					50X1-HUM
19.	Block of dwelling		zhilischn	yy uchastok, wi	.th a 50X1-HUM
	different number	of stolles.			
20.	Iron gate approxi	mately four or	five meters	s wide and ${\sf thre}$	e meters
	high through whic	h the railroad	passed. I	t was guarded.	
21.	Plant terrain/lan	d/ground.			
2 2.	Plant walk.	·			
23•	Garden.				
24.	Plant street.				
25.	Carpentry shop, a				
	long and 15 meter	s wide where mo	lds of par	ts were made.	**************************************
	30 persons worked	oneshift.			
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•		-23- hijhelment
		•
c)		Press shop, pressovyy tsekh, number unknown, occupying an area 50X1-HUM approximately 20 meters long and 20 meters wide. There were ten
		or 11 Soviet
		about 60 or 80 persons worked one shift. There aircraft ribs and 50X1-HUM
		other parts on the outside of the fuselage were given form/formed.
d)		Paint shop, krasilnyy tsekh, number unknown, where aircraft parts were painted. 50X1-HUM
e)		Passage way approximately two-and-a-half to three meters wide
		which could be used by trucks. Offices of all the shop in the
		building were located above the passage way.
f)		Resistence laboratory for the various aircraft parts, <u>laboratoriya</u>
-/		ispytaniya no prochnost, a one-story brick area with average/
		normal walls and approximately ten to 15 meters long and eight or
		ten meters wide. Ten or 15 persons, specialists and workers,
		worked there There was a 50X1-HUM
		special press, type unknown, which was used in testing/checking
		the resistingce of the **XXXX various aircraft patrs. Many strips
		of canvas were glued together on the wing and when dry were pulled,
		drawn by the press until the part being checked/tested broke; the
		same test was performed on the various aircraft parts.
33•	a)	Shop No. 24, plazovo shablonyy tsekh nomer 24, a one-story brick
		structure approximately 35 or 40 meters long and ten meters wide.
		It contained no machinery.
		When an air-
		craft part was changed, the first to receive the new plans were
		those who worked in this shop.
	ъ)Pasaage way, approximately two-and-a-half meters wide and three
		meters long.

•	Sani	itized Copy Approved for Release 2011/04/26 : CIA-RDP80T00246A058700130001- -24- CONFIDENTIAL	6 50X1-HUM
	c)	Accespry assembly shop No. 80, tsekh KKKKKK osnastki no	0.0
	-,	occupying an area approximately 15 meters long and 20 m	
		and one of the boate o-make prairing amont	
		was no other kind of machinery. Approixmately 50 to 70 worked XXXXXX one shift.	persons
		WOTAGE AND OTHE SHILLS.	
	đ)	Walding shap greatly would be	50X1-HUM
	u,	Welding shop, svarka, number unknown, occupying an area	5UX1-HUM
		15 to 18 meters long and 20 meters wide. There gas, el	ectric, and
		electric spot welding was done.	50X1-HUM
	- \	there was only one shift.	50X1_HUM
	e)	Shop, number WAKKAWA and work done there unknown, occup	
	[area/space approximately ten meters long and ten meters	
		it contained varios lathes. It was not a speci	al shop. 50X1-HUM
34.	. Sho	op and wood drying/dryer, sushilnyy tsekh, number unknow	n. occupying
	to	area approximately 20 meters long and 15 meters wide. the wood dryers, chairs and tables were made. The drye od chambers equipped with heating elements.	In addition 50X1-HUM rs were
			There was
	onl	ly one shift.	
35•	Sect	tion of a housing construction trust.	
			There
	cons	struction charts/plans were kept. There were also section	
		1	50X1-HUM
36.	New	shop begun in 1955 and finished in S	September
	1956	It was a one-story structure approximately 60 meters	lon g and
	30 m	eters wide. It was rumored that once the structure was	
		No. 3 was to be moved there so as to allow more space.	
37.		allation for making asphalt. It did not belong to the p	ent. It
		pied an area approximately six meters long, XXX five mete	1
		four meters high.	TO MTGE

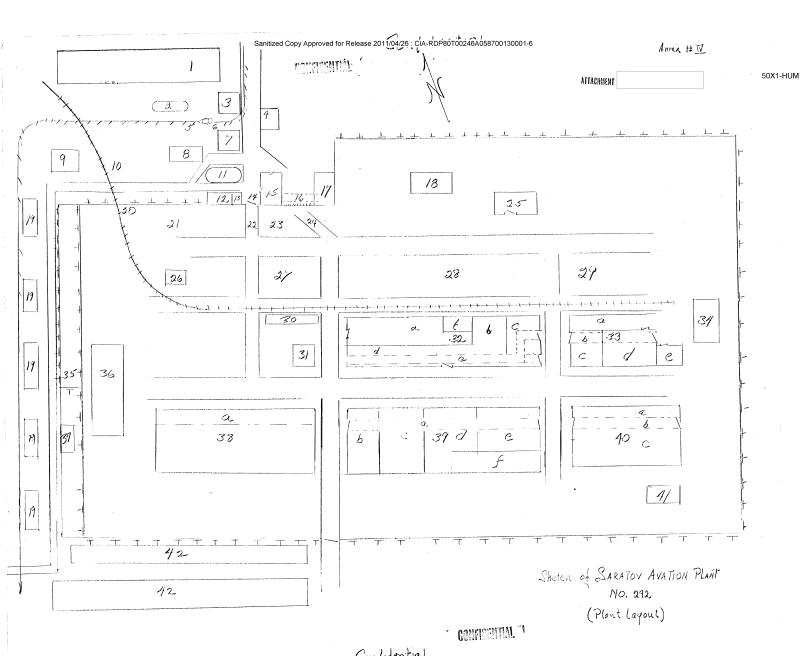
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	f)	Paint shop, number unknown, occupying an Area approximately
		40 meters long and 15 meters wide.
		In the northern part of the building there was a second floor
		containing offices of the shops. 50X1-HUM
40.	Two-	-story brick structure with the following distribution:
	a)	The first floor contained assembly shop No. 5, svorochnyy tsekh
		nomer 5, occupying an area approximately 90 meters long and 40 or
		50 meters wide. 50X1-HUM
]	There the final assembly of the aircraft was completed.
		50X1-HUM There was only
		one shift.
	b) An	Kpproximately four-meter wide passage way with a door from about
		completely assembled 12 to 15 meters wide through which aircraft covered with
		canvas passed.
		50X1-HUM
		There was nothing else on the first floor.
	a)	The second floor contained the series construction office, SKO,
		seriyno kanstruktorskoye byuro. It was in the northern part of
		building and occupied XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
		50 meters long and eight or ten meters wide. This office was in
		charge of distributing pallns to the various shops. Aproximately
	[60 to 80 persons worked there.
		There was nothing else on the
		secondfloor.
41.	Spa:	re parts warehouse, completely destroyed by fire in 1955. It had
	not	been rebuilt. 50X1-HUM
42.	Sec	ond block of plant dwellings, one and two-story brick dwellings
	for	plant workers. 50X1-HUM
Vis	its	
6.		Koslov (fnu), a member of
	the	Presidium, was going to visit the plant as he was coming to
	Sar	atov to award the Order of Lenin to Saratovskaya oblast for 📼 🕰

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-	good harvest. The oblast the award, but I	50X1-HUM Coslov
	did not visit the plant.	
Awa 7•	rds Prior to 1953 the	
	Presidium awarded the plant with the Order of the Red Banner. He did not know whether or	not
T) 7	the XXXX plant had recieved other awards.	50X1-HUM
8.	ations with other plants The motors were recieved from other unknown plants. Radio apparatuses/instruments, altimeters, voltmeters, and other	r
	instruments came from other unknown plants. Pneumatics, cables, lights, and construction material come from	
	unknown plants;	50X1-HUM
	the supply section, otdel snabzheniya, was in charpouring this material.	ge of

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